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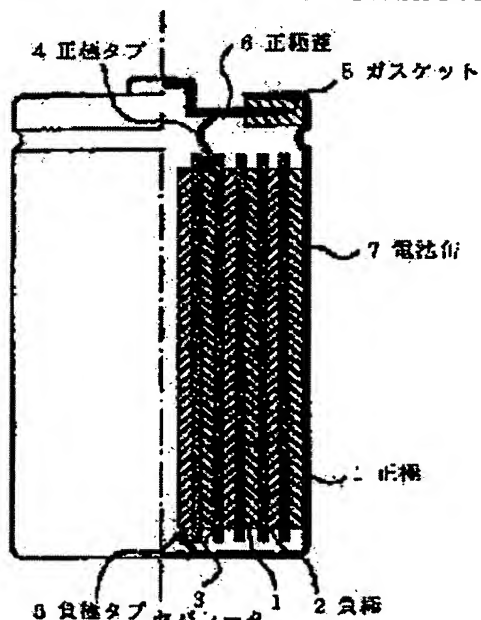
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(54) BLACK LEAD NATURE PARTICLE FOR NEGATIVE ELECTRODE OF NON-AQUEOUS ELECTROLYTIC SOLUTION SECONDARY BATTERY AND ITS MANUFACTURING PROCESS, NEGATIVE ELECTRODE OF THE NON-AQUEOUS ELECTROLYTIC SOLUTION SECONDARY BATTERY AND THE NON-AQUEOUS ELECTROLYTIC SOLUTION SECONDARY BATTERY



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a negative electrode of a non-aqueous electrolytic solution secondary battery and its manufacturing process, the negative electrode of the non-aqueous electrolytic solution secondary battery which uses the black lead nature particles, and the non-aqueous electrolytic solution secondary battery, which excel in electrode-applying workability and electrode adhesion property, have a rapid electricity-charging/discharging characteristic, have satisfactory cycle characteristics, and have small irreversible capacity.

SOLUTION: The manufacturing process of the graphite particles for the negative electrodes of the non-aqueous electrolytic solution secondary batteries, the graphite particles for the negative electrodes of the non-aqueous electrolytic solution secondary batteries manufactured with this manufacturing process, the graphite particles manufactured with the manufacturing process or the negative electrodes of the non-aqueous electrolytic solution secondary batteries using the graphite particles, and the negative electrodes of the non-aqueous electrolytic

liquid secondary batteries and the non-aqueous electrolytic solution secondary-batteries having the negative electrodes, are characterized by making the graphite particles pass through a gap between two boards, which are located having the gap and one side or both sides of the board rotate.

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